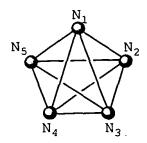
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CLAIMS

1. A compound comprising the atom corresponding to N_3 and the two or more atoms selected from N_1 , N_2 , N_4 and N_5 , said atoms constitute the pharmacophore represented by the following formula 1:



wherein N₁ represents an atom to which a donative hydrogen atom in a hydrogen-bond donating group is bonded or a hydrogen-bond accepting atom in a hydrogenbond accepting group; N_3 represents a hydrogen-bond accepting atom in a hydrogen-bond accepting group; and N_2 , N_4 and N_5 independently represent an arbitrary carbon atom constituting a hydrophobic group and the distance between N_1 and N_2 is not less than 5 angstroms and not more than 12 angstroms, the distance between N_1 and N_3 is not less than 9 angstroms and not more than 15 angstroms, the distance between N_1 and N_4 is not less than 3 angstroms and not more than 13 angstroms, the distance between N_1 and N_5 is not less than 8 angstroms and not more than 16 angstroms, the distance between N_2 and N_3 is not less than 3 angstroms and not more than 10 angstroms, the distance between N_2 and N_4 is not less than 6 angstroms and not more than 14 angstroms, the

distance between N_2 and N_5 is not less than 9 angstroms and not more than 14 angstroms, the distance between N_3 and N_4 is not less than 4 angstroms and not more than 11 angstroms, the distance between N_3 and N_5 is not less than 3 angstroms and not more than 10 angstroms, and the distance between N_4 and N_5 is not less than 4 angstroms and not more than 9 angstroms; and, in the optimized three-dimensional structure thereof, the distances between the atom corresponding to N_3 and the two or more atoms selected from N_1 , N_2 , N_4 and N_5 are the interatomic distances in the pharmacophore; and a salt thereof.

2. A compound or a salt thereof according to Claim 1, wherein, for each of the atoms constituting the pharmacophore, the distance between N_1 and N_2 is not less than 5.09 angstroms and not more than 11.67 angstroms, the distance between N_1 and N_3 is not less than 9.47 angstroms and not more than 14.30 angstroms, the distance between N_1 and N_4 is not less than 3.48 angstroms and not more than 12.60 angstroms, the distance between N_1 and N_5 is not less than 8.77 angstroms and not more than 15.67 angstroms, the distance between N_2 and N_3 is not less than 3.78 angstroms and not more than 9.78 angstroms, the distance between N_2 and N_4 is not less than 6.97 angstroms and not more than 13.26 angstroms, the distance between N_2 and N_5 is not less than 9.37 angstroms and not more than 13.32 angstroms, the

distance between N_3 and N_4 is not less than 4.83 angstroms and not more than 10.51 angstroms, the distance between N_3 and N_5 is not less than 3.31 angstroms and not more than 9.97 angstroms, and the distance between N_4 and N_5 is not less than 4.32 angstroms and not more than 8.25 angstroms.

A compound or a salt thereof according to $\lim 1 \text{ or } 2$ wherein N_1 constituting the pharmacophore is a nitrogen atom of unsubstituted or substituted amino, ammonium, amido, thioamido, ureido, isoureido, amidino, guanidino, thioureido, hydrazino or hydrazono group to which one or more hydrogen atoms are bonded, a carbon atom of ethen χl group to which a hydrogen atom is bonded, an oxygen atom of carbonyl group, a sulfur atom of thiocarbonyl group, a nitrogen atom of unsubstituted or substituted imino group, an oxygen atom of sulfonyl group, an oxygen atom of sulfonyloxy group, an oxygen atom of sulfo group, an oxygen atom of sulfinyl group, an oxygen atom δf carboxyl group, an oxygen atom of ether, a sulfur atom of thioether, a sulfur atom of mercapto group, an oxygen atom of hydroxyl group, an oxygen atom of ester or a nitrogen atom of unsubstituted or substituted nitrogencontaining heterocyclic group; N_3 is an $\partial_x ygen$ atom of carbonyl group, a sulfur atom of thiocarbonyl group, a nitrogen atom of unsubstituted or substituted imino group, an oxygen atom of sulfo group, an oxygen atom of sulfonyl group, an oxygen atom of sulfo group, an

AM

oxygen\atom of sulfonyloxy group, an oxygen atom of carboxy 1 group, an oxygen atom of ether, a sulfur atom of thioether, an oxygen atom of hydroxyl group, an oxygen atom\of ester, a nitrogen atom of unsubstituted or substituted nitrogen-containing heterocyclic group to which no hydrogen atom is combined, a nitrogen atom of sulfonamido group or a nitrogen atom of acylsulfonamido group; and each of N_2 , N_4 and N_5 is an arbitrary carbon atom constituting a carbon atom of alkyl group, a carbon atom of alkenyl group, a carbon atom of aryl group and a carbon atom of alkoxy group. A compound on a salt thereof according to any one of Claims 1 to 3, wherein a compound having an atom corresponding to N_3 and atoms corresponding to two or more atoms selected from N_1 , N_2 , N_4 and N_5 among the atoms N_1 , N_2 , N_3 , N_4 and N_5 constituting a pharmacophore, and, in the optimized three-dimensional structure thereof, the interatomic distances between the atom corresponding to N_3 and the two or more atoms selected from N_1 , N_2 , N_4 and N_5 are the atomic distances of a pharmacophore has an activity of antagonistically inhibiting the binding between AP-1 (activator protein-

A peptide of 10 residues represented by the Wrollowing amino acid sequence:

1) and a recognition sequence thereof.

Ac-Cys 1 -Gly 3 -AA 3 -AA 4 -AA 5 -AA 6 -AA 7 -AA 8 -Gly 9 -Cys 10 -NH $_2$ wherein Ac represents an acetyl group, AA 3 represents a polar amino acid residue, each of AA 4 , AA 6 and AA 7

represents a hydrophobic amino acid residue, AA⁵ represents an amino acid residue having carboxyl or hydroxyl group in the side chain thereof, and AA⁸ represents an arbitrary amino acid residue; said peptide having a disulfide linkage between the first and tenth cysteine residues; or a salt thereof.

6. A peptide or a salt thereof according to Claim 5, wherein AA³ is an L-asparagine residue or an L-glutamine residue; AA⁴, AA⁶ and AA⁷ are an L-leucine residue, an L-isoleucine residue, an L-alanine residue or an L-valine residue; and AA⁵ is an L-aspartic acid residue, an L-glutamic acid residue, an L-serine residue or an L-threonine residue.

A peptide of 10 or 11 residues represented by the following amino acid sequence:

Ac-aa⁰-Cys¹-Cly²-aa³-aa⁴-aa⁵-aa⁶-aa⁷-Gly⁸-aa⁹-Cys¹⁰-NH₂ wherein Ac represents an acetyl group, aa⁰ represents an arbitrary amino acid residue or a bonding unit, aa³ represents a polar amino acid residue, each of aa⁴, aa⁵ and aa⁷ represents a hydrophobic amino acid residue, aa⁶ represents an arbitrary amino acid residue, and aa⁹ represents an amino acid residue having carboxyl or hydroxyl group in the side chain thereof; provided that, when aa⁰ is a bonding unit, said peptide has a disulfide linkage between the first and tenth cysteine residue, said peptide has a disulfide linkage between the second and eleventh cysteine residues; or a salt

thereof.

- 8. A peptide or a salt thereof according to Claim 7, wherein aa³ is an L-asparagine acid residue or an L-glutamine acid residue; aa⁴, aa⁵ and aa⁷ are an L-leucine residue, an L-isoleucine residue, an L-alanine residue or an L-valine residue; and aa⁹ is an L-aspartic acid residue, an L-glutamic acid residue, an L-serine residue or an L-threonine residue.
- 9. A benzene derivative represented by the following general formula:

$$R^1$$
 R^3 R^4

wherein R¹ represents a halogen atom, a cyano group, a nitro group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R³ represents a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or

protected amino group, a mercapto group, a carbamoyl group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R4 represents a hydrogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group;

 X^1 represents -C(O)-, -CH(OH)-, $-CH_2-$ or a group of the following formula:

$$R^{21}-O$$
 R^{22}
 R^{23}
 R^{24}
 R^{25}

wherein R²¹ represents an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl or heterocycle-lower alkyl group; R²² and R²³ may be the same or different represent a hydrogen atom or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl, carbamoyl,

alkylsulfinyl, alkylsulfonyl, arylsulfonyl or heterocyclic group; and R²⁴ and R²⁵ may be the same or different represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; the double line of which one line is a broken line denotes a single bond or a double bond; and

W represents $-Z-COR^{26}$, $-Z-COOR^2$, $-O-CH_2COOR^2$ or $-O-CH_2CH_2COOR^2$ [wherein Z represents $-(CH_2)_n$ — in which n represents 0, 1, 2 or 3, $-CH_2CH(CH_3)$ —, -CH=CH— or $-CH_2CH=CH$ —; R^2 represents a hydrogen atom or a protecting group for carboxyl group; and R^{26} represents $-NHR^{27}$ or $-NHSO_2R^{28}$ in which R^{27} and R^{28} independently represent an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl or aralkyl group];

or a salt thereof.

10. A benzene derivative or a salt thereof according to Claim 9, wherein W is $-Z'-COOR^2'$, $-Z'-CONH-SO_2R^{28'}$, $-CONH-CH_2COOR^2'$ or $-CONH-CH_2CH_2COOR^2'$ [wherein Z' represents $-(CH_2)_{n'}$ - in which n' is 0, 1 or 2, or -CH=CH-; $R^{28'}$ represents an unsubstituted or substituted alkyl



group; and R^2 ' represents a hydrogen atom or a protecting group for carboxyl group]; and X^1 is -C(0)-, -CH(OH)- or $-CH_2$ -.

- 11. A benzene derivative or a salt thereof according to Claim 10, wherein R¹ is an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group; R³ is an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group; and R⁴ is an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group.
- 12. A benzene derivative represented by the following general formula:

$$R^5$$
 M
 $COOR^6$

wherein R⁵ represents a hydrogen atom, a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R⁶ represents a



hydrogen atom or a protecting group for carboxyl group; X^2 represents -C(0)-; m represents 0, 1 or 2; and ring A represents a group represented by the following formula:

wherein R⁷ represents a hydrogen atom, a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; and R⁸ represents a hydrogen atom, an unprotected or protected amino group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; or a group of the following formula:

wherein R⁹ and R¹⁰ may be the same or different represent a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino, alkanoyloxy or heterocyclic group;

or a salt thereof.

13. A benzene derivative or a salt thereof according to Claim 12, wherein R^5 is an alkoxy group or an acylamino group; X^2 is -C(0)-; and ring A is a group of the following formula:

$$\mathbb{R}^{11} \longrightarrow \mathbb{N}_{\mathbb{R}^{12}}$$

wherein R^{11} is an alkyl or alkoxycarbonyl group; and R^{12} is an alkyl group; or a group of the following formula:

wherein R^{13} is an alkyl or alkoxycarbonyl group; and R^{14} is an alkoxy or alkanoyloxy group.

14. A benzene derivative represented by the following general formula:

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wherein R¹⁵ and R¹⁶ may be the same or different represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; X³ represents -C(0)-; and ring B represents a group of the following formula:

wherein R¹⁷ represents a hydrogen atom or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylsulfonyl or heterocyclic group; R¹⁸ represents a hydrogen atom or a protecting group for carboxyl group; and p represents 0, 1 or 2;

or a salt thereof.

15. A benzene derivative or a salt thereof according to Claim 14, wherein R¹⁵ and R¹⁶ may be the same or different represent an alkoxy group; and ring B represents a group of the following formula:

wherein R^{19} is an acyl group; R^{20} is a protecting group for carboxyl group; and p is 0, 1 or 2.

A benzene derivative represented by the

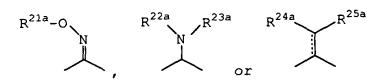
following formula:

CODUCTOS CECYC

$$R^{1a}$$
 W^{a}
 R^{3a}
 R^{4a}

wherein R1a represents a halogen atom, a cyano group, a nitro group, an unprotected or protected hydroxyl group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R3a and R4a may be the same or different\represent a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocydlic group; X1a represents -C(0)-, -CH(OH)-, $-CH_2$ - or a group of the following formula:

AAZ



wherein R21a represents an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl or hetekocycle-lower alkyl group; R22a and R23a may be the same or different represent a hydrogen atom or an unsubstituted or substituted alkyl, alkenyl, cycloalky , aryl, aralkyl, acyl, carbamoyl, alkylsulfinyl, alkylsulfonyl, arylsulfonyl or heterocyclic group; R^{24a} and R^{25a} may be the same or different represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alky\sulfonylamino, arylsulfonylamino or heterocyclic group; and the double line of which one line is a broken line represents a single bond or a double bond; alad Wa represents -Za- ${\rm COR^{26a},\ -Z^a-COOR^{2a},\ -O-CH_2COOR^{2a}\ or\ {\rm \begin{cal} CO-CH_2CH_2COOR^{2a}\\ \hline \end{cal}}\ [{\rm wherein}\]$ Z^a represents $-(CH_2)_n^a$ (n^a is 0, 1, $\sqrt{2}$ or 3), $-CH_2CH(CH_3)$ -, -CH=CH- or -CH $_2$ CH=CH-; R^{2a} represents a hydrogen atom or a protecting group for carboxyl group; and R26a represents $-NHR^{27a}$ or $-NHSO_2R^{28a}$ in which R^{27a} and R^{28a}

AAJ

17. A benzene derivative or a salt thereof according to Claim 16, wherein R^{1a} is an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group; R^{3a} and R^{4a} may be the same or different and represent an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group; X^{1a} is -C(O)-, -CH(OH)-, $-CH_2-$ or a group of the following formula:

wherein R^{21a'} represents an unsubstituted or substituted alkyl, aralkyl or heterocycle-lower alkyl group; R^{24a'} and R^{25a'} may be the same or different represent a hydrogen atom, an unprotected or protected carboxyl group or an unsubstituted or substituted alkyl, alkoxycarbonyl, aryloxycarbonyl or carbamoyl group; and W^a represents -Z^{a'}-COR^{26a'}, -Z^{a'}-COOR^{2a'}, -O-CH₂COOR^{2a'}, -O-CH₂COOR^{2a'}, -CONH-CH₂COOR^{2a'}, or -CONH-CH₂COOR^{2a'} [wherein Z^{a'} represents -(CH₂)_n a'- in which n^{a'} is 0, 1, 2' or 3, -CH₂CH(CH₃)-, -CH=CH- or -CH₂CH=CH-; R^{2a'} represents a hydrogen atom or a protecting group for carboxyl group; and R^{26a'} represents -NHSO₂R^{28a'} in which R^{28a'} is an

unsubstituted or substituted alkyl group].

18. A benzene derivative represented by the following general formula:

$$R^{1b}$$
 Z^{b}
 Z^{b}
 Z^{b}
 Z^{b}
 Z^{b}
 Z^{b}

wherein R1b represents a halogen atom, a cyano group, a nitro group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R2b represents a hydrogen atom or a protecting group for carboxyl group; R3b and R4b may be the same or different represent a cyano group, a nitro group, an unprotected or protected carboxyl group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino,

arylsulfonylamino or heterocyclic group; X^{1b} represents -C(O)-, -CH(OH)- or $-CH_2-$; and Z^b represents $-(CH_2)_n^{b-}$ (n^b represents 0, 1 or 2) or -CH=CH-;

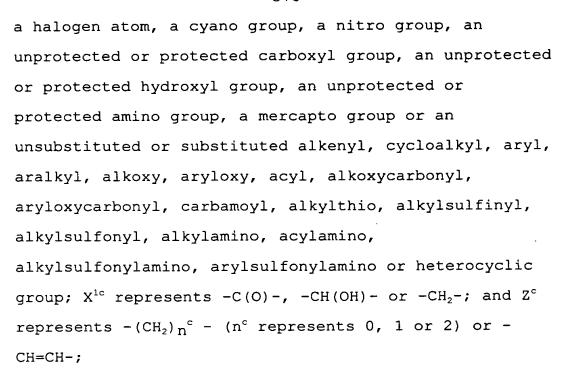
or a salt thereof.

19. A benzene derivative or a salt thereof according to Claim 18, wherein R^{1b} is an unsubstituted or substituted alkoxy group; R^{3b} and R^{4b} may be the same or different represent an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group; X^{1b} is -C(0)-; and Z^{b} is $-(CH_2)_2$ -.

20. A benzene derivative represented by the following general formula:

$$R^{1c}$$
 Z^{c}
 Z^{c}
 R^{4c}

wherein R^{1c} represents a halogen atom, a cyano group, a nitro group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R^{2c} represents a hydrogen atom or a protecting group for carboxyl group; R^{3c} and R^{4c} may be the same or different represent



or a salt thereof.

- 21. A benzene derivative or a salt thereof according to Claim 20, wherein R^{1c} is an unsubstituted or substituted alkoxy group; R^{2c} is a hydrogen atom or a protecting group for carboxyl group; R^{3c} and R^{4c} may be the same or different represent an unsubstituted or substituted alkoxy group; X^{1c} represents -C(0)-; and Z^{c} represents $-(CH_2)_2-$.
- 22. A benzene derivative represented by the following general formula:

wherein R1d represents a halogen atom, a cyano group, a nitro group, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R2d represents a hydrogen atom or a protecting group for carboxyl group; R3d represents a hydrogen atom or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl or aralkyl group; R4d represents a halogen atom, a nitro group, an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl, alkoxycarbonyl, aryloxycarbonyl, alkylsulfonyl, alkylsulfonylamino or arylsulfonylamino group; X1d represents -C(O)-, -CH(OH)- or $-CH_2-$; and Z^d represents $-(CH_2)_n^d$ - (n^d represents 0, 1 or 2) or -CH=CH-; or a salt thereof.

- 23. A benzene derivative or a salt thereof according to Claim 22, wherein R^{1d} is an unsubstituted or substituted alkoxy group; R^{3d} is an unsubstituted or substituted alkyl group; R^{4d} is an unsubstituted or substituted acyl group; X^{1d} is -C(0)-; and Z^d is $-(CH_2)_2$ -.
- 24. A benzene derivative represented by the following general formula:

TA3

wherein R^{0e} represents a hydrogen atom, a halogen atom, a witro group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl, alkoxycarbonyl, aryloxycarbonyl, alkylsulfonylamino or arylsulfonylamino group; Rie represents an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, acyl, alkoxycarbonyl, aryloxycarbonyl or alkylsulfonyl group; R2e represents a hydrogen atom or a protecting droup for carboxyl group; R3e and R4e may be the same or different represent a hydrogen atom, a halogen atom, \an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group ϕ r an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, alkylthid, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; X^{1e} represent $A - C(0) - A - CH(0H) - Or - CH_2 - C$ represents $-(CH_2)_n^e$ - n^e represents 0, 1 or 2) or -CH=CH-;

or a salt thereof.

 $^{'}$ 25. A benzene derivative or a salt thereof according to Claim 24, wherein R^{0e} is a hydrogen atom or a halogen atom; R^{1e} is an unsubstituted or substituted

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alkyl group; R^{3e} and R^{4e} independently represent an unsubstituted or substituted alkoxy group; X^{1e} is -C(0)-; and Z^{e} is a bonding unit.

26. A benzene derivative represented by the following general formula:

$$\mathbb{R}^{1f} \xrightarrow{\mathbb{Z}^f \text{COOR}^{2f}} \mathbb{R}^{3f}$$

wherein R^{1f} represents a halogen atom, an unprotected or protected hydroxyl group, an unprotected or protected amino group, a mercapto group or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl, aralkyl, alkoxy, aryloxy, alkylthio, alkylamino, acylamino, alkylsulfonylamino, arylsulfonylamino or heterocyclic group; R^{2f} represents a hydrogen atom or a protecting group for carboxyl group; R^{3f} and R^{4f} may be the same or different represent a hydrogen atom or an unsubstituted or substituted alkyl, alkenyl, cycloalkyl, aryl or aralkyl group; X^{1f} represents -C(O)-, -CH(OH)- or $-CH_2-$; and Z^f represents $-(CH_2)_{1f}$ (n^f represents 1 or 2) or -CH=CH-;

or a salt thereof.

27. A benzene derivative or a salt thereof according to Claim 26, wherein R^{1f} is an unsubstituted or substituted alkoxy group; R^{3f} and R^{4f} independently



represent an unsubstituted or substituted alkyl group; X^{1f} is -C(0)-; and Z^f is $-CH_2-$.

128. A benzene derivative represented by the following general formula:

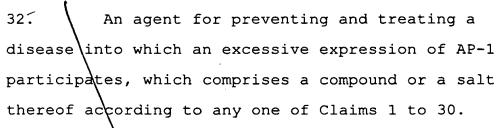
$$R^{1g}$$
 Z^{g}
 $COOR^{2g}$

wherein R^{1g} and R^{4g} may be the same or different represent an unprotected or protected hydroxyl group or an unsubstituted or substituted alkoxy group; X^{1g} is - C(O)-, -CH(OH)- or - CH_2 -; Z^g is - $(CH_2)_{\Pi}^g$ - (Π^g represents 1 or 2); and Π^{2g} is a hydrogen atom or a protecting group for carboxyl group;

or a salt thereof.

compound or a salt thereof according to any one of Claims 5 to 28, wherein said compound according to any one of Claims 5 to 28 is a compound that has an activity of antagonistically inhibiting the combination between AP-1 and a recognition sequence thereof.

- 30. A compound or a salt thereof according to Claim 1, wherein the compound conforming to a pharmacophore of Claim 1 is a peptide or a benzene derivative according to any one of Claims 5 to 28.
- 31. A method for inhibiting AP-1 which comprises administering a compound or a salt thereof according to any one of Claims 1 to 30.



- 33. An agent for preventing and treating an autoimmune disease, which comprises a compound or a salt thereof according to any one of Claims 1 to 30.
- 34. An AP-1 inhibitor comprising a compound or a salt thereof according to any one of Claims 1 to 30.

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